

## **208. CRYPTOGRAPHIC IRIS RECOGNITION**

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Visual cryptographic technique is implemented for a secure Iris recognition. The security can be improved is authentication. Iris recognition is the one that provides secure method of authentication and identification. Iris is detected by implementing Viola-Jones object detection and can be encrypted and decrypted using visual cryptography technique. Once the image of the iris is captured using a standard camera, the authentication process, is done by comparing the current subject's iris with the stored version, it is one of the most accurate. FSM is reduced by using Hamming distance scheme, which avoids errors that occurs. The simulation provides, total elapsed execution time taken to process and thus provide the output. The process is simulated using MATLAB. Thus, the system provides improved efficiency and high level of security.

Keywords—Iris Recognition, Viola-Jones object detection algorithm, Visual cryptography scheme, Hamming distance, MATLAB.

*Journal of Science and Innovative Engineering & Technology*